

100

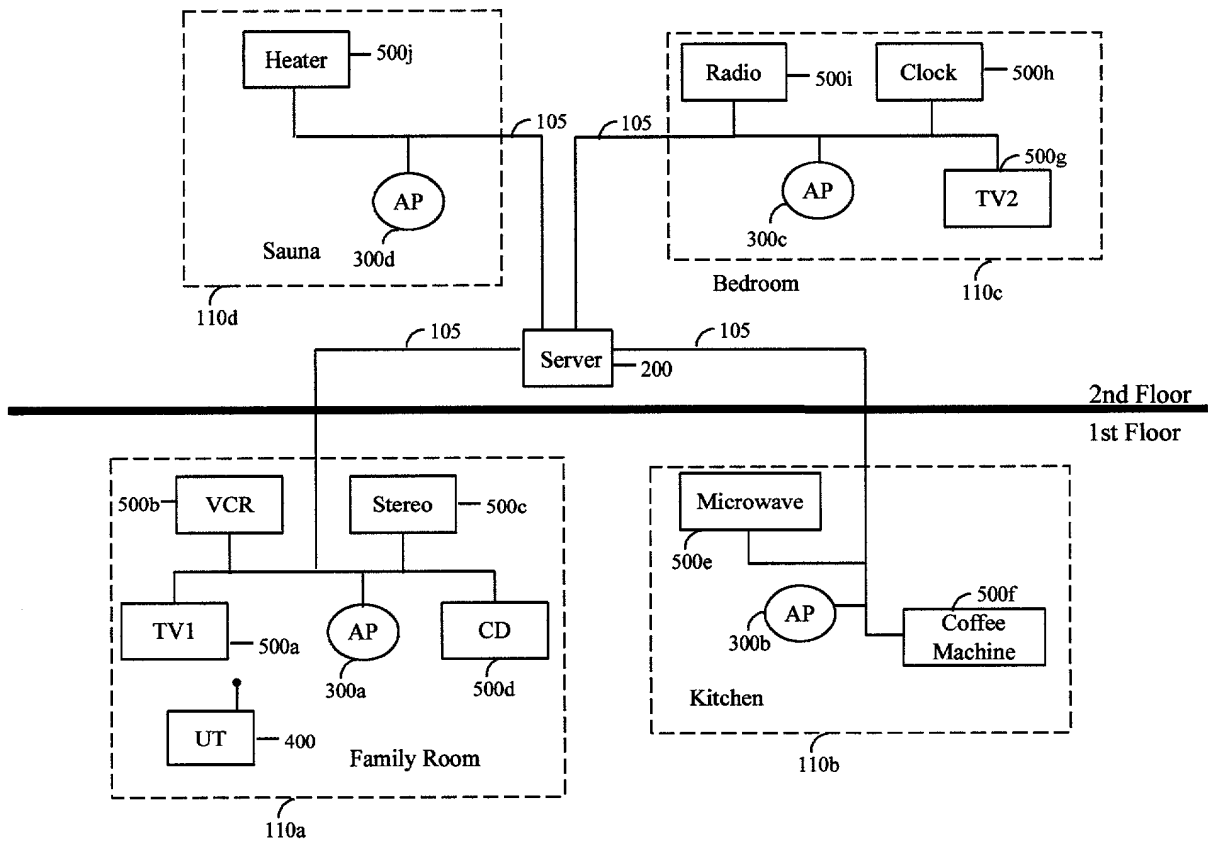


FIG. 1

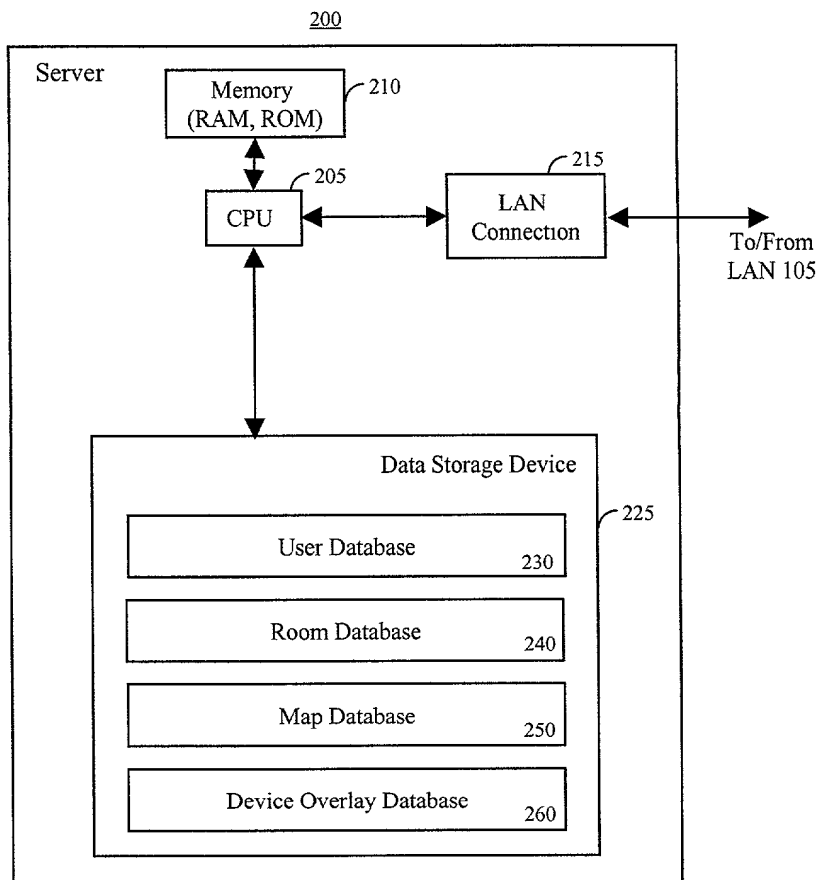


FIG. 2

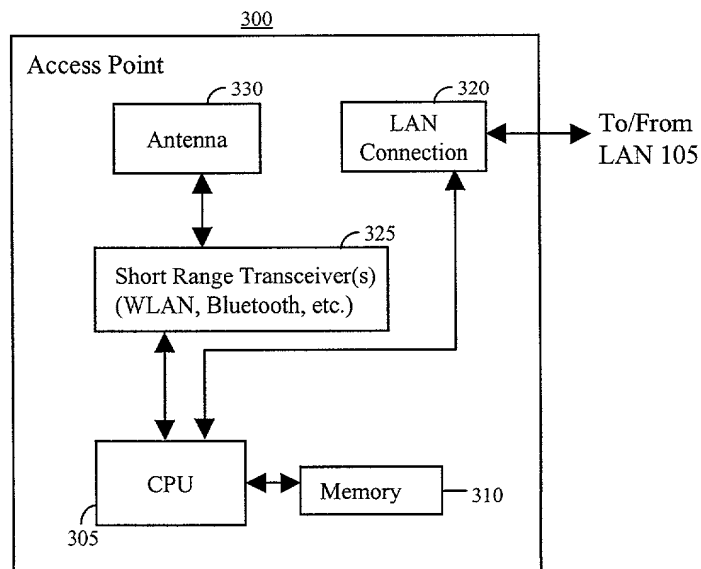


FIG. 3

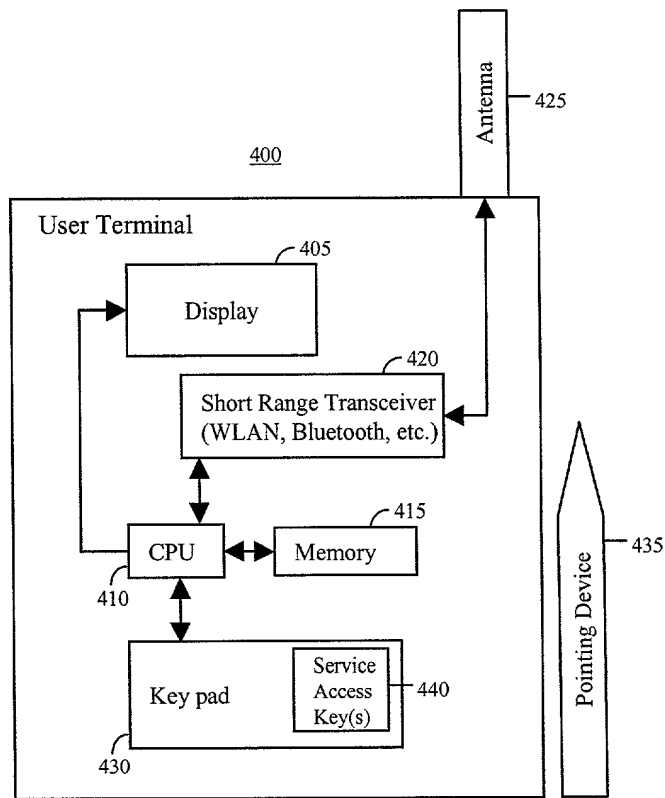


FIG. 4

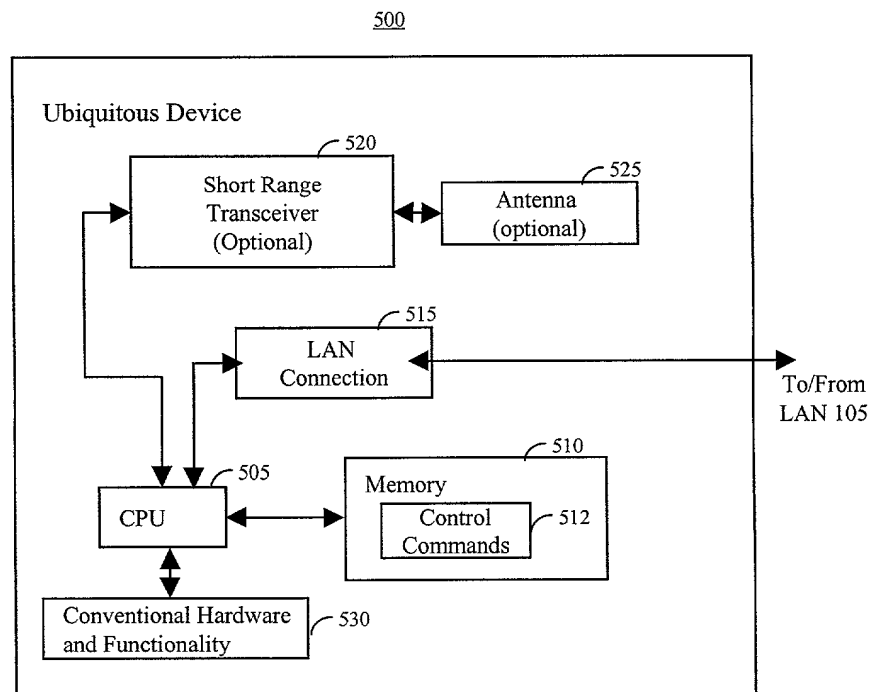


FIG. 5

User Database 230

User Name 605	UID # 610	Accessible Devices 615
A	11529	TV1, VCR, Stereo, CD
B	24365	TV1
⋮	⋮	⋮

FIG. 6

Room Database 240

Access Point ID 705	Map Name 710	Ubiquitous Device Overlay 715	Floor 720
1234	Familyroom.bmp	Familyroom.ubi.devices	1
2341	Kitchen.bmp	Kitchen.ubi.devices	1
⋮	⋮	⋮	⋮
3524	Bedroom.bmp	Bedroom.ubi.devices	2
5214	Sauna.bmp	Sauna.ubi.devices	2

FIG. 7

Map Database 250

Map Name 805	Map Coordinates 810	Symbols 815	Labels 820
Familyroom.bmp	$X_{MIN}, X_{MAX}, Y_{MIN}, Y_{MAX}$	bitmap	text
Kitchen.bmp	$X_{MIN}, X_{MAX}, X_{MIN}, X_{MAX}$	bitmap	text
:	:	:	:

FIG. 8

Ubiquitous Device Overlay Database 260

Familyroom.ubi.devices					
Device Name 905	Icon Information 910	Device Coordinates 915	Address 920	Control Panel Information 925	UIDs of Authorized Users 930
TV1	Data	X, Y	123.456.789	Data	11529; 24365
VCR	Data	X, Y	243.621.599	Data	11529
:	:	:	:	:	:

FIG. 9

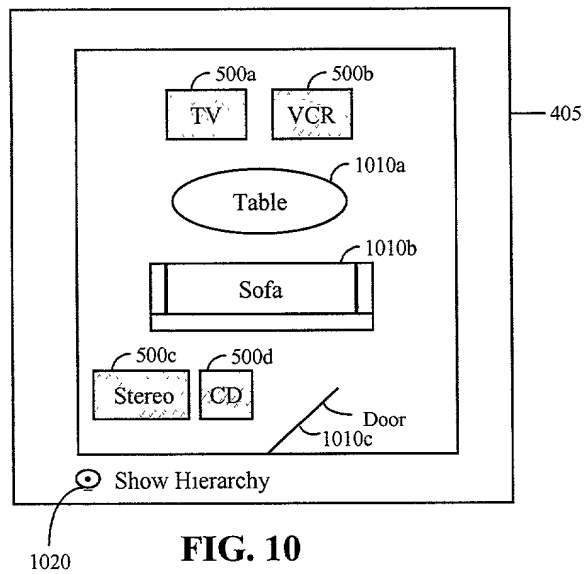


FIG. 10

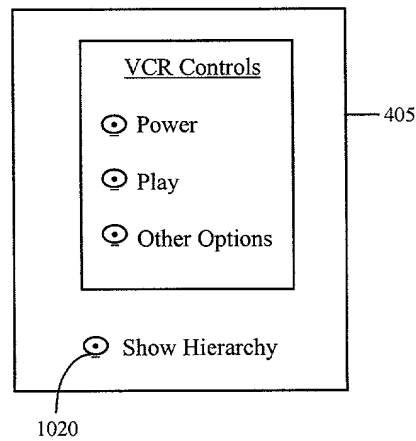


FIG. 11

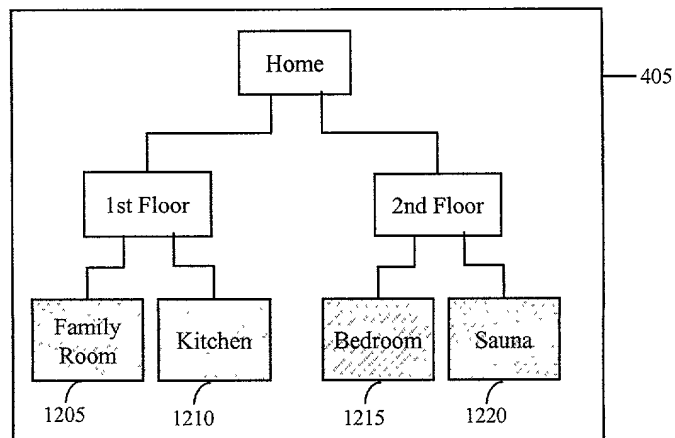


FIG. 12

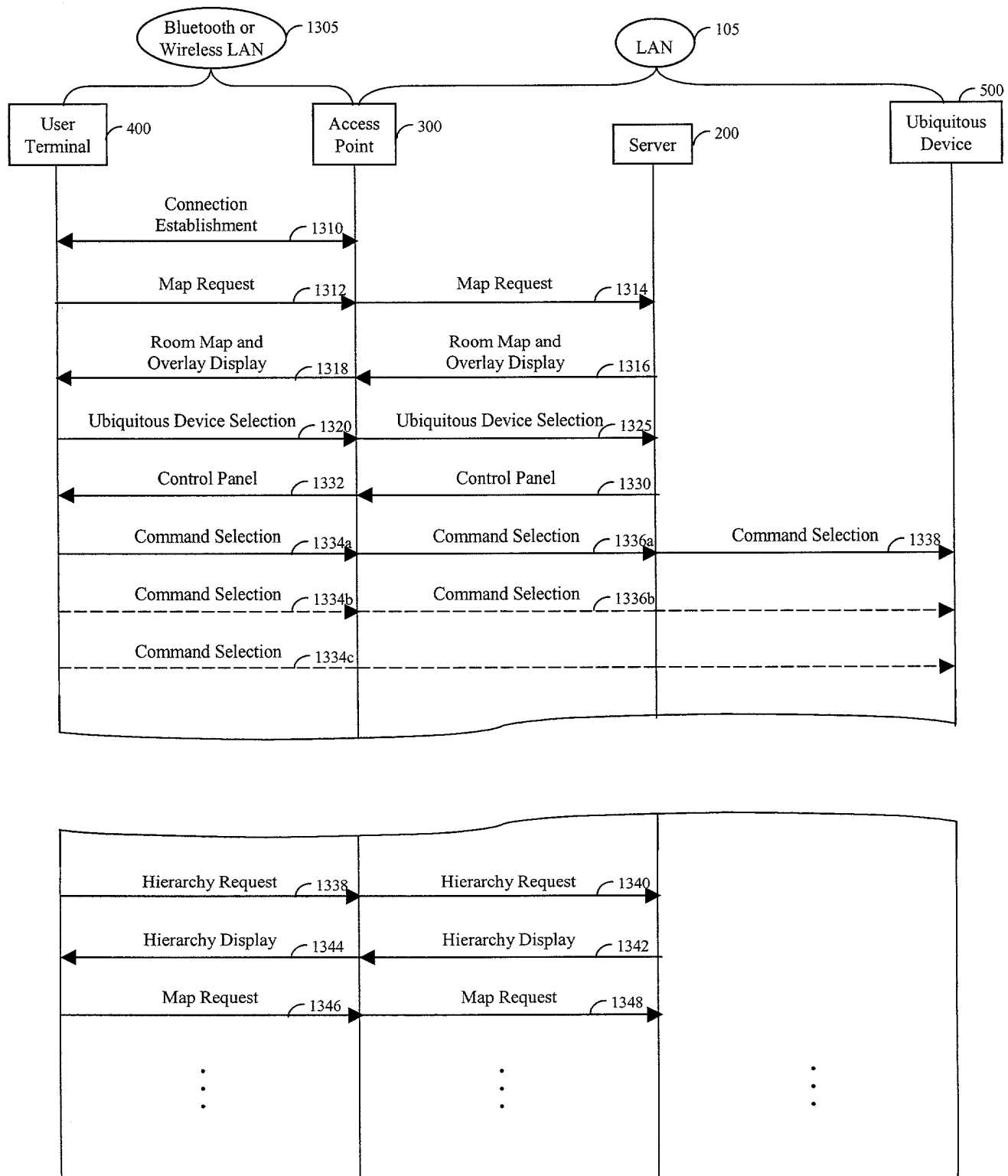


FIG. 13